

## WHAT IS CLAIMED IS:

1. A color cathode ray tube comprising:
  - a vacuum envelope including a faceplate having a phosphor screen inside thereof, and a substantially funnel-shaped portion connected to said faceplate;
  - a rectangular color selection electrode provided in said faceplate in such a manner that said color selection electrode faces said phosphor screen, first and second directions substantially perpendicular to each other being defined on said color selection electrode; and
  - a frame fixed to said faceplate, said frame supporting said color selection electrode in such a manner that said frame applies a tension to said color selection electrode in said second direction,wherein said color selection electrode includes a perforated area having a plurality of openings and a non-perforated area adjacent to said perforated area in said first direction, said non-perforated area is elongated in said second direction, said non-perforated area has a center portion and end portions formed on both sides of said center portion in said second direction, and a width of said center portion is wider than that of said end portions.
2. The color cathode ray tube of claim 1, wherein said width d1 of said end portion and said width d2 of said center portion satisfy the following relationship (1).
$$d2/d1 \geq 1.5 \quad \dots (1)$$
3. The color cathode ray tube of claim 1, wherein said non-perforated area has an outer periphery, and said outer periphery at said center portion projects in the direction away from said perforated area, as seen from the direction perpendicular to said first and second directions.

4. The color cathode ray tube of claim 3, wherein said outer periphery forms a continuously curved line extending over said center portion and said end portions, as seen from the direction perpendicular to said first and second directions.

5. The color cathode ray tube of claim 3, wherein said outer periphery includes a curved line at said center portion and straight lines at said end portions, as seen from the direction perpendicular to said first and second directions.

6. The color cathode ray tube of claim 3, wherein said outer periphery includes a first straight line formed at said center portion, second straight lines formed at said end portions, and step portions between said first straight line and respective second straight line, as seen from the direction perpendicular to said first and second directions.

7. A color selection electrode assembly comprising:  
a rectangular color selection electrode on which first and second directions substantially perpendicular to each other are defined; and

a frame supporting said color selection electrode in such a manner that said frame applies a tension to said color selection electrode in said second direction,

wherein said color selection electrode includes a perforated area having a plurality of openings and a non-perforated area adjacent to said perforated area in said first direction, said non-perforated area is elongated in said second direction, said non-perforated area has a center portion and end portions formed on both sides of said center portion in said second direction, and a width of said center

portion is wider than that of said end portions.

8. The color selection electrode assembly of claim 7, wherein said width d1 of said end portion and said width d2 of said center portion satisfy the following relationship (1).

$$d2/d1 \geq 1.5 \quad \dots (1)$$

9. The color selection electrode assembly of claim 7, wherein said non-perforated area has an outer periphery, and said outer periphery at said center portion projects in the direction away from said perforated area, as seen from the direction perpendicular to said first and second directions.

10. The color selection electrode assembly of claim 9, wherein said outer periphery forms a continuously curved line extending over said center portion and said end portions, as seen from the direction perpendicular to said first and second directions.

11. The color selection electrode assembly of claim 9, wherein said outer periphery includes a curved line at said center portion and straight lines at said end portions, as seen from the direction perpendicular to said first and second directions.

12. The color selection electrode assembly of claim 9, wherein said outer periphery includes a first straight line formed at said center portion, second straight lines formed at said end portions, and step portions between said first straight line and respective second straight line, as seen from the direction perpendicular to said first and second directions.